

U. S. DEPARTMENT OF ENERGY  
ROCKY FLATS PLANT  
ENVIRONMENTAL RESTORATION PROGRAM WEEKLY REPORT  
WEEK ENDING SEPTEMBER 3, 1993

**Section I - Interagency Agreement (IAG)**

**OU 1 - 881 Hillside-Phase III Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Remedial Investigation (RI)**

On the RI Report, work is proceeding on schedule. Subcontractors are completing comments submitted by the Department of Energy, Rocky Flats Office (DOE, RFO) and EG&G Rocky Flats, Inc. The Environmental Evaluation (EE) section of the RI is finished and has been delivered to DOE, RFO for informal review.

Revisions to the Interim Measures/Interim Remedial Action (IM/IRA) quarterly report are underway based on DOE, RFO comments.

The Wetlands status report was submitted to DOE, RFO on August 24, 1993. The Wetlands status report was delivered August 31, 1993, to the Colorado Department of Health (CDH) and the Environmental Protection Agency (EPA).

**Feasibility Study/Corrective Measures Study (FS/CMS)**

Work on the FS is in progress. Technical Memorandum (TM) #10, *Preliminary Remediation Goals*, was received by RFO on schedule on August 15, 1993. Work is progressing towards the October 1993 delivery date on TM #11, *Alternatives Array*.

**OU 2 - 903 Pad, Mound, East Trenches Area  
Remedial Assessment**

Development of the B-series well is taking much longer than expected. This well may be considered dry. Slug testing for the remaining three wells will occur when the B-series well is developed.

Work toward fencing the Americium Zone is being delayed waiting a Davis Bacon Act determination. The appropriate paperwork has been submitted to the DOE Davis Bacon Committee and the determination is expected to take 4 weeks. Work towards obtaining an Integrated Work Control Package (IWCP) and related permits is continuing.

**Subsurface Water IM/IRA**

The Integrated Work Control Package was reviewed at a plan-of-the-day round-table and comments were incorporated. Approval was anticipated September 1, 1993.

The impact of the Non-Aqueous Phase Liquid (NAPL) encountered during drilling on the objectives and performance of the IM/IRA is being evaluated. The evaluation will identify and/or resolve technical, safety and regulatory agency concerns.

A pre-operational readiness review was conducted on August 23, 1993. Additional items needed have been identified and measures implemented to fulfill the requirements of the operational readiness review.

Efforts continue to subcontract the detailed portion of the Soil Vapor Survey. Proposals have been received and technical evaluations are being conducted.

The Project Management Plan is being finalized and has been implemented by the project team.

#### Feasibility Study (FS)

Remediation Project Management (RPM) and Environmental Science & Engineering (ES&E) are still negotiating responsibilities for the FS work. As of this date, there is no memorandum of understanding in place between these two groups.

#### OU 3 - Offsite Areas

A form letter is in development to inform offsite land owners on the lab analysis results of soil samples obtained from their property. This letter will be developed and packaged by EG&G Rocky Flats but will be sent under DOE, RFO letterhead. Reviews have been requested by legal, community relations and DOE, RFO.

A stop work directive was received from DOE, RFO on August 18, 1993, on sections of the baseline risk assessment. This stop work order will allow the Interagency Agreement (IAG) parties time to evaluate the Gilbert proposal for identifying contaminants of concern. The OU 3 work stoppage began July 23, 1993.

The subcontractors proposal to Modification #6 of the IT contract to develop the draft and final RI Reports is due to EG&G Rocky Flats on August 24, 1993. This modification provides resources needed to adjust the contract following the approval of the schedule extension. The Technical Evaluation (Tech Eval) is due to procurement by August 31, 1993.

The Tech Eval on the Settlement Agreement weed control subcontract was sent to Procurement on August 23, 1993. This subcontract will provide weed control actions on the Jefferson County Settlement Agreement property as required under this legal action. The selection of a subcontractor is expected this week.

The summer biannual report to Jefferson County is currently being prepared. This report identifies activities related to the Jeffco Remedy Acres as required by the 1985 McKay vs. U.S. et. al. Settlement Agreement.

#### OU 4 - Solar Evaporation Ponds Phase I RFI/RI Program

Vadose Zone monitoring continues in the form of lysimeter sampling and neutron monitoring until September 30, 1993 at which time monitoring for the Phase I Remedial Investigation (RI) will be complete.

Core logging activities continue for the OU 4 Phase I RCRA Facility Investigation / Remedial Investigation (RFI/RI) Program. Of the 53 core logs, 45 have been completed and approved by EG&G. The remaining 8 are being processed by Parsons/ Engineering Science and shall be finished and submitted to EG&G for approval by September 1, 1993.

Pre-mobilization planning activities are being conducted for mobilization into Pond 207B Center for September 8, 1993.

A visual survey for optimum drilling locations is being coordinated for Pond 207B Center. The actual survey will be conducted on September 3, 1993.

Data evaluation and report development continues, on schedule, for the OU 4 Phase I RFI/RI Program. For borehole samples taken to date, 98% of non-metals analysis and 64% of metals analysis is complete.

Work on the OU 4 "Streamline" Interim Measure/ Interim Remedial Action (IM/IRA) continues. To date, the IM/IRA streamline schedule, resource loaded schedule, and various project management documentation

have been generated to support the streamline IM/IRA program.

#### OU 5 - Woman Creek

All field work other than routine monitoring has been completed at OU 5.

Comments have been received from EPA on Draft TM 12, Exposure Scenarios, however CDH has not returned comments.

Draft TM 13, Modeling was delivered to DOE, RFO for concurrent review with EG&G Rocky Flats on Thursday, August 5, 1993, two of the three reviewers have returned their comments.

The OU 5 DOE, RFO technical audit is still in progress. The auditors expect to spend approximately three to four weeks on this audit which began on August 16, 1993.

A meeting was held with DOE, RFO; EPA; CDH; and ASI on Monday, August 30, 1993. The reasons for the meeting were:

post field activities briefing - EPA and CDH were given a presentation of the recently completed field activities;

discussions on the justification for milestone extensions were discussed in detail, a formal letter from DOE, RFO to the regulatory agencies will be delivered in the next couple of weeks (the IAG specifies an extension request be presented at least 14 days in advance). The milestones that are going to be missed are the Draft and Final OU 5 RFI/RI Report (November 30, 1993, and May 5, 1994, respectively). The issuance of this milestone request letter is well in advance of the 14 day notification; and,

briefing the regulatory agencies on the possibility that an addendum to the Field Sampling Plan (FSP) would be required to complete the nature and extent investigation of the Ash Pits and the Original Landfill. EPA and CDH were informed that this additional work would be needed and that if this work was done as part the Phase I FSP, rather than as a Phase II or as part of the FS a considerable amount of time can be saved (over 18 months) on the start of the FS. Both EPA and CDH were receptive to this concept.

#### OU 6 - Walnut Creek

The Modeling TM was submitted to the regulatory agencies on August 4, 1993. Comments from the regulatory agencies on the Modeling TM were due on September 1, 1993. EPA comments are overdue on the Exposure Scenarios TM. They were due by July 28. EPA has informed DOE, RFO and EG&G Rocky Flats verbally that the comments would be late. CDH has provided comments. However CDH expects any changes that may be required by the Human Health Risk Assessment (HHRA) "template" to also be incorporated whenever they get around to finalizing the it. This would require two revisions of the Exposure Scenarios TM. A letter is being prepared that will effectively state that one revision will be made to avoid unnecessary costs.

Work continues on the Rocky Flats Environmental Database System (RFEDS) database tables to sort the data by Individual Hazardous Substance Sites (IHSSs) and contaminants and perform Quality Assurance (QA). Data comparisons will be made against the Background Geochemical Report and upper tolerance limits (UTLs) to determine the possibility of removing some of the IHSS from the remainder of the RI/FS process.

Although the clock has been stopped for the HHRA, EPA expects the TMs to be delivered as scheduled. Unfortunately, the data aggregation issue effects all the TMs. A letter to DOE, RFO explaining this problem is being prepared.

#### **OU 7 - Present Landfill**

A meeting has been scheduled for September 3, 1993, to discuss details for the scope and schedule revisions to the original IAG scope and schedule with EPA, DOE, and CDH.

OU 7 staff have completed an impacts assessment on the approach proposed by Dr. Gilbert for comparing site data to background. This approach would impact this project by approximately 8 weeks if implemented as is.

#### **OU 8 - 700 Area**

The Final Health and Safety (H&S) Plan for implementation of non-intrusive field work for the Industrial Area Operable Units (IA OUs), OUs 8, 9, 10, 12, 13, 14, has completed EG&G review and has received all sign-offs as of August 31, 1993. DOE, RFO comments were officially received on August 31, 1993. DOE, RFO has requested that their comments be incorporated into the H&S Plan and that the revised H&S Plan and written responses be transmitted by October 1, 1993. Two complete copies of the H&S Plan will be delivered to DOE, RFO when EG&G approves the complete H&S Plan.

EG&G RPM met with the IA OU subcontractor and EG&G Radiological Engineering to review field start-up procedures for surface soil sampling on Tuesday, August 31, 1993. RPM will provide Rad Engineering support through the work packages so that they can oversee the subcontractor and also negotiate with the Rocky Flats Plant (RFP) operations.

#### **OU 9 - Original Process Waste Lines (OPWL)**

The Final H&S Plan for implementation of non-intrusive field work for the IA OUs, OUs 8, 9, 10, 12, 13, 14, has completed EG&G Rocky Flats review and has received all sign-offs as of August 31, 1993.

EG&G Rocky Flats RPM met with the IA OU subcontractor and EG&G Rad Engineering to review field start-up procedures for surface soil sampling on Tuesday, August 31, 1993. RPM will provide Rad Engineering support through the work packages so that they can oversee the subcontractor and also negotiate with the RFP operations.

Data compilation continues for support of the Technical Memoranda for OU 9's Field Sampling Plan.

A request for an excavation permit for building 910 support to cross OU 9 was made on Friday August 27, 1993. RPM is reviewing the request in conjunction with Facility Operations Management (FOM).

#### **OU 10 - Other Outside Closures**

Delays have been experienced in implementing the surficial soil sampling activities, due to comment responses to DOE, RFO; CDH and EPA for the IA H&S Plan. No work can begin until the IA H&S is signed and approved. A meeting was held with representatives from Jacobs Engineering Group (JEG), RPM and EG&G Rocky Flats Health and Safety to discuss ways to expedite approval of the IA H&S. It is anticipated that JEG field crews will begin collecting surficial soil samples at OU10 beginning the week of September 13, 1993.

Safeguards and Security has not yet allowed the high purity germanium (HPGe) unit into the Protected Area (PA) to begin collection of radiation data. The main problem lies in the computer system that is an integral part of the germanium detector. Actually, the problem lies not so much with gaining access, as it does with leaving the PA. Safeguards and Security has informed RPM that all computer devices must have their memory systems erased prior to exiting the PA. RPM is actively working to resolve the problem in an effort to minimize schedule impacts for the IA OU field work.

All Stage I HPGe survey data, outside of the PA, has been collected for OUs 8, 10, 12, 13, and 14. The survey data is currently being analyzed by ES&S personnel, which should be completed by the end of September, 1993. Results from this data evaluation will provide direction for future HPGe and Sodium Iodide survey points, if needed.

#### **IHSS 170/174 and 176 Waste Removal Update**

Although additional funds have been identified to remove material still stored in OU 10, no approval for spending Environmental Restoration funds for material removal has been received from DOE, RFO. Therefore, no waste removal can begin in FY 94 until this issue can be resolved between EG&G Rocky Flats upper management and DOE, RFO. Work will proceed in areas where material storage will not adversely affect data collection activities.

#### **OU 11 - West Spray Field**

The project manager attended the Hazardous Waste Operations (Supervisor) Course on Monday.

Scoping meetings have been held this week to define the revised OU 11 Field Sampling Plan. Meetings have been held with the Geosciences group and a subcontractor to discuss their proposals on boreholes and number and location of monitoring wells.

Research is being done on the Aerial Gamma Survey (performed in 1989) versus HPGe surveying for the West Spray Field.

A meeting with the regulatory agencies was held on Friday, September 3, 1993, to discuss revising of the OU 11 Field Sampling Plan.

Field Trailer needs will be further defined upon revision of Field Sampling Plan and agreement from regulatory agencies.

#### **OU 12 - 400/800 Area**

All Stage I HPGe survey data, outside of the PA, have been collected for OUs 10, 12, 13, and 14. The portions of OU 8 outside the PA have also been surveyed. The survey data is currently being analyzed by ES&E personnel, which should be completed by the end of September, 1993. Results from this data evaluation will provide direction for future HPGe and Sodium Iodide survey points, if needed.

It is anticipated that Jacobs Engineering Group field sampling crews will begin surficial soil sampling in OU 12 during the second week of September, 1993.

The procurement package for implementation of the Industrial Area EE was submitted to Procurement on July 21, 1993. One EE will be conducted for the entire Industrial Area but will support the information required in the Phase I RF/RI Work Plans for OUs 4, 8, 9, 10, 12, 13 and 14. The implementation will be conducted by using the OU 9 EE technical memorandum. The proposal from RUST Environment and Infrastructure was received on August 31, 1993. A technical evaluation is being performed and is scheduled to be returned to EG&G Rocky Flats Procurement by September 7, 1993.

#### **OU 13 - 100 Area**

ES&E has completed an analysis initial HPGe screening; we will discuss HPGe results in OU 13 and how they relate to the surficial soil sampling and vertical profile sampling locations per the OU 13 Work Plan with the Jacobs Engineering Group OU 13 project manager this week. The DOE, RFO project manager has approved of a meeting to be scheduled with the above group and the CDH and EPA project managers to finalize those sampling locations in the near future.

Work continues on resolution of comments on Standard Operating Procedures (SOPs). A Revised draft of GT.08 was completed on August 26, 1993, but new comments were received later that same day from EPA. JEG is working responses and/ or incorporating those comments.

While resolving those comments the OU 13 project manager discovered another problem: Many procedures that were thought to be finalized as controlled documents were not. Procedures require that all data be collected per procedures that are approved as controlled documents.

A deficiency report was prepared to cover HPGe and other data that has been collected this past field season. The procedures that have been used this field season and have not been issued as controlled documents are:

5-21000-OPS GT.22IN SITU SAMPLING WITH BAT SYSTEM

5-21000-OPS GT.25SEQUENTIAL EXTRACTION FOR SOIL ANALYSIS

5-21000-OPS GT.26DETERMINATION OF HYDRAULIC CONDUCTIVITY USING A TENSION  
INFILTRMETER

5-21000-OPS GT.27AUTONOMOUS OPERATIONS OF GLOBAL POSITIONING EQUIPMENT

5-21000-OPS GT.28DIFFERENTIAL PROCESSING OF GLOBAL POSITIONING EQUIPMENT

5-21000-OPS GT.29REAL-TIME DIFFERENTIAL OPERATION OF GLOBAL POSITIONING  
EQUIPMENT

5-21000-OPS GT.30IN SITU CHARACTERIZATION OF RADIONUCLIDES USING HPGE DETECTORS

5-21000-OPS GT.31DETERMINING MATRIC POTENTIAL USING SOIL MEASUREMENT SYSTEM  
TENSIOETERS

In addition, there are listings for procedures through GT .38 which have not been finalized. These were used by the Solar Ponds Project people. There may be other areas where this problem exists, but so far it appears that data collected for OUs 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, and 14 are affected.

After discovering the problem, the OU 13 project manager met with Environmental Quality Support to find out how the problem came to exist and how to fix it.

It appears the main problem was that after the procedures were approved by the regulatory agencies, there were more steps to the approval process. The OU 13 project manager was under the impression that EQS was responsible for completing these steps, perfecting the files and issuing the controlled documents. This was the way things had worked in the past, but at some point, EQS (and their subcontractor SAIC) was instructed not to work on procedures any further. In the meantime the subject matter experts worked to resolve the regulatory agencies' approvals and secured their approval.

#### Corrective Action:

The OU 13 project manager met with Tim O'Rourke on Friday, August 27, 1993, and began corrective actions immediately. The Corrective Action consists of preparing a Deficiency Report which covers the data collected before the approved procedures were issued as controlled documents, preparing a draft action plan to ensure that the procedures are issued as controlled documents and then implement the plan which will include preparing documentation that the data was collected per procedures that were later issued. Efforts will be coordinated with ES&E and EQS. The draft action plan will be completed and ready for comment by RPM, ES&E and EQS directors on September 10, 1993.

#### OU 14 - Radioactive Sites

The Remedial Investigation and Project Support work packages were signed as 'reviewed' by DOE, RFO but the approval signatures were not obtained. The Contingency work package was reviewed and approved by DOE, RFO.

A letter was drafted for submittal to DOE, RFO requesting inquiry of the EPA regarding the approval of the Final OU 14 Phase I RFI/RI Work Plan submitted to the regulatory agencies on October 19, 1992.

#### OU 15 - Inside Building Closures

Radiological surveys for removable radionuclides (smear/swipe sampling) has been completed within Buildings 883 and 865. Floor/equipment hot water rinsate sampling and direct radiological surveys will be completed within Building 865 this week. Floor/equipment hot water rinsate sampling equipment will be mobilized into Building 883. Personal Protective Equipment (PPE) has been changed again and upgraded to full Anti-Contamination (Anti-C) per the Radiological Worker Permit (RWP). Anti-C PPE has been designated despite the presence of engineering controls (i.e., vacuum system to capture potential contaminants). The designation of full Anti-C in the RWP appears to be a manner in which Radiological Operations personnel can inflict power and pain over subcontractors. The animosity of EG&G Rocky Flats personnel completing the RWP has been demonstrated on several occasions. Anti-C is not designated for routine building operations similar to OU 15 work. In fact, respirators are not required for similar operations. EG&G Rocky Flats personnel are not supportive of Environmental Restoration and Protection activities at Rocky Flats Plant. It will take more effort to fight the RWP designation of Anti-C than it is worth with respect to potential schedule slippage. In order to limit the potential for heat exhaustion and attempt to maintain the current schedule (i.e., the schedule is negatively impacted by Anti-C requirements); only the equipment operator will be in Anti-C and a second relief operator will be standing by in Anti-C also.

It is currently estimated that submittal of OU 15 IAG Milestone documents will exceed the IAG Table 6 dates by approximately 40 working days. Schedule slippage was estimated based on the assumption that the results of Stage III field work outside buildings (i.e., if necessary) will not be presented within the Draft Phase I RFI/RI Report for OU 15. EG&G has recommended to DOE, RFO that a new schedule for OU 15 be provided for regulatory agency review and approval within Field Sampling TM 1 for OU 15. This option should be taken since a well defined scope of work for Stage III field work outside buildings based on the results of Stage I and Stage II field work inside buildings will be available within TM 1 on which to base a new schedule. TM 1 is scheduled to be submitted to the regulatory agencies during FY 94. Jen Pepe of DOE, RFO suggested that EG&G Rocky Flats; DOE, Headquarters; DOE, RFO; EPA; and CDH all review the TMs and Reports concurrently in order to expedite the OU 15 schedule.

A potential conflict exists between OU 15 fieldwork within Building 447 (i.e., the original uranium chip roaster, IHSS 204) and waste characterization work required by Nevada Test Site (NTS). Work for both are scheduled for initiation on September 6, 1993. The NTS work will most likely be delayed until September 13, 1993, and increased OU 15 efficiency may expedite the OU 15 schedule to eliminate potential conflicts. Coordination of OU 15 and NTS work continue with close communication between the affected work package managers.

On August 16, 1993, DOE, RFO audited EG&G Rocky Flats Industrial Hygiene's (IH's) audit of OU 15 fieldwork at Building 881, Room 165, IHSS 178. It has been determined that the Environmental Restoration Management (ERM) person that was asked various questions by IH was not the designated acting Health and Safety Officer for ERM-Rocky Mountain, Inc. (ERM-RM). The lack of knowledge of the person questioned is not acceptable, but ERM-RM did have qualified personnel on site and a H&S Plan violation for this reason did not occur. ERM-RM has put forth considerable effort to coordinate and interact with EG&G Rocky Flats operations and building personnel and it is to their credit that they have done so in a professional and exemplary manner. Misdirection by various EG&G Rocky Flats groups contributed to the incident were a building person walked through the IHSS as it was being sampled. The Fire Department and RFP were in conflict. RFP is the only group that can block off/post an area (i.e., not a subcontractor). The Fire Department would not allow the passageway to be blocked off. ERM-RM attempted to resolve this issue on several occasions prior to the incident described above.

The CDH walk-through of Building 883 to watch floor/equipment hot water rinsate sampling being conducted will be postponed from Thursday, September 2, 1993, to Tuesday, September 7, 1993.

#### OU 16 - Low Priority Sites

A meeting was held on September 1, 1993, to discuss comments on and pursue finalization of the draft Proposed Plan, discussing a timetable for beginning the public comment period and scheduling a public meeting. The EPA, CDH, EG&G Rocky Flats and DOE, RFO were represented at the meeting.

#### Integrated Operable Units - OUs 8, 9, 10, 12, 13 and 14

The HPGe unit is working on OU 8 IHSS 172 and is expected to be complete by Thursday, September 2, 1993. The remaining work for the HPGe unit for the IA OUs is within the PA. Permits to authorize ingress and egress of the HPGe unit have been completed, however there has been a recent delay concerning access for the computer equipment associated with the HPGe that needs to be brought into the PA. This delay for access is expected to take 2-3 weeks for resolution. Since the HPGe survey team has completed all work for IA OUs outside of the PA, RPM has been suggested that rather than have the HPGe team wait for access to the PA they could begin collecting information on OU 11. The OU 11 RPM manager has been informed and agrees that this would be useful for the OU 11 project. An area of OU 11 has been identified to start HPGe readings and is expected to take two weeks to complete. This will allow the IA OUs the time resolve the computer access permits for the PA and also will avoid unnecessary down time for the HPGe.

The cost estimate for removal of materials covering all the IA OU IHSSs was submitted to RPM by Plant Services Support. An estimated \$1 million will be necessary to remove materials to support environmental investigation of the IA OUs. The tasks for IHSS material removal have been incorporated in the IA OUs work packages and also the funding will come from each IA OU. DOE, RFO is still concerned that ERM funds should not be paying for a plant support activity, i.e. material transfer.

RPM is working to integrate OU schedules for the IA OUs for FY 94. Each IA OU schedule for FY 94 will be linked together via the work package system.

#### Interim Measures/Interim Remedial Action Plan (IM/IRAP)

##### Phase II Geologic Characterization Data Acquisition

The FY 94 work package for the Industrial Area IM/IRA was reviewed and approved by DOE, RFO on August 30, 1993. Four subcontractors from Master Task System Area 1 attended a prebid meeting on August 27, 1993. This meeting was held to ensure that the subsequent proposals are appropriate for the intended scope of the project. Proposals are due from the subcontractor on September 8, 1993.

The strategic planning group is finalizing the response to the Grumbly milestone status request. Additionally it is finalizing the Strategic Plan and accompanying briefing which will be given to EG&G Rocky Flats upper management, DOE, RFO upper management, and ultimately DOE, HQ. It is expected that the response will be transmitted to DOE, RFO by September 7, 1993.

#### Other Activities

##### Work Packages

Work packages were reviewed by RFO this week and subsequently approved.

#### Section II - Solar Ponds Remediation Project (SPRP)

##### Regulatory



In response to a request from DOE EM-5, all Interagency Agreement (IAG) Table 6 milestones for Operable Unit 4 were compared against criteria provided by DOE. The criteria identified milestones that DOE may wish to discuss with EPA due to technical or logistical impracticalities. Information on potential modifications to the identified milestones, discussions with regulators on the modifications, and budget impacts was provided. This information will contribute to a review by the Secretary and Congressional authorization and appropriation committee members to improve resource utilization and more fully balance the interests of all stakeholders in DOE's environmental management activities.

#### Pad Ops status and Issues

The Pad sealing Project completion has been delayed due to weather (rain). The current projected completion date has slipped to September 10, 1993.

Additional requirements for storage pad improvements beyond the scope of the Pad Sealing Project have been identified. This work includes raising the grade of a small portion of the 750 Pad in the South West corner, repairing the berm on the 904 Pad and other activities.

#### Pond Sludge Status and Issues

A Statement of Work was issued in Draft format, for internal Solar Ponds Project (SPP) review, directing Halliburton-NUS (HNUS) to remove equipment from the Plant. Seven pieces of equipment will cost approximately \$150K to demobilize. The crew training requirements are being defined and scheduled. Tentative plans call for work to begin around September 22, 1993.

Storage Tanks for the Accelerated Sludge Removal Project (ASRP) can be ordered by September 7, 1993 pending scope modification and baseline change. The Specification is nearing completion with the inclusion of the quality requirements. A System Safety Classification is nearing completion which will confirm that the overall Sludge Removal effort, and the Tanks in particular, are a Safety Class 3 which allows for equipment procurement as Procurement Level 3, Commercial Grade. The quality requirements will be vendor programs augmented by EG&G requirements, which are currently being defined.

The Cost & Schedule Contingency Model continues to be applied to both the ASRP and the IAG schedules. A Facilities Project Management Cost Contingency Model will also be investigated to decide which tool best serves the needs of the two planning efforts.

#### Water Management Status and Issues

	This Week	Total (since 4/1/93)
Pond water to Bldg. 374 : (gal)	0	1,405,000
Modular tank water to Bldg. 374: (gal)	0	331,000
Modular tank water to Bldg. 910: (gal)	0	60,000
Pond water & sludge volume: (gal, Approx)	998,000	
Interceptor Trench Flow: (gal)	16,000	819,800±
Available Modular Tank Volume: (gal)	562,000	(926,500 max)

#### Activities:

No pond water was pumped to Building 374 this week.

The modifications to the evaporator feed line valve in Building 910 have been completed and the evaporator is being test run August 27, 1993. It is planned to begin continuous, 2 shifts per day, 5 days per week operation August 30, 1993.

Pond 207 B North is now empty, rinsed and dry. It is awaiting a radiological survey in preparation for drilling.

### Section III - Surface Water Management Pond Water Management IM/IRA

Statistical Applications (Stat Apps), Risk Analysis (RA), Ecology and NEPA (END), Surface Water (SW), Wright Water Engineers (WWE) are continuing the development of their respective contributions to the IM/IRA.

The second draft of Chapter 4 which addresses the option screening process has been reviewed and comments transmitted to WWE.

A meeting was held with WWE on 27-August. The main topics of discussion were:

The IM/IRA cannot rely on real time monitoring, it is too unreliable.

WWE was instructed to keep a back up file detailing the reasons for each option rejection or acceptance of 1-2 pages in length. The IM/IRA will give summaries of the reasons. The back up data will be used to for timely response to regulator and public questions.

Verbiage and tables for Chapter 4 were reviewed and edited. A draft of the beginning of Chapter 5 was distributed.

A biweekly status meeting was held with DOE/RFO on 30-August.

WWE will compile edits of Chapters 1-4 and distribute for review 7-September. A draft of Chapter 54 detailing final options will be available 13-September. The next biweekly meeting with WWE will be 9 or 10-September.

### Section IV - Meetings

#### OU 5 - Woman Creek

A meeting was held with DOE, RFO; EPA; CDH; and ASI on Monday, August 30, 1993. The reasons for the meeting were:

- post field activities briefing - EPA and CDH were given a presentation of the recently completed field activities;
- discussions on the justification for milestone extensions were discussed in detail, a formal letter from DOE, RFO to the regulatory agencies will be delivered in the next couple of weeks (the IAG specifies an extension request be presented at least 14 days in advance). The milestones that are going to be missed are the Draft and Final OU 5 RFI/RI Report (November 30, 1993, and May 5, 1994, respectively). The issuance of this milestone request letter is well in advance of the 14 day notification; and,
- briefing the regulatory agencies on the possibility that an addendum to the Field Sampling Plan (FSP) would be required to complete the nature and extent investigation of the Ash Pits and the Original Landfill. EPA and CDH were informed that this additional work would be needed and that if this work was done as part the Phase I FSP, rather than as a Phase II or as part of the FS a considerable amount of time can be saved (over 18 months) on the start of the FS. Both EPA and CDH were receptive to this concept.

### Section V - Future

#### Community Relations

##### ER Community Relations Plan

The ER Community Relations Plan is scheduled to be updated in December 1993. A questionnaire is being developed to send to 35 citizens who will compose a focus group to help revise the plan. Interviews will be conducted in September 1993.

### Surface Water video

Editing of the Surface Water video has begun. The video will be shown at the next ER Quarterly Public Information meeting tentatively scheduled for September 28, 1993.

### ER93 EXPO

Work is ongoing for the ER exhibit for "ER93" to be held in Augusta, GA, in October 1993.

### Upcoming Events

- September 7, 1993 Public Open House for Reconfiguration Hosted by DOE-HQ Office of Defense Programs, 6:00 p.m. to 9:00 p.m., Ramada Hotel, 8773 Yates, Westminster, Colorado.
- September 8, 1993 Public Scoping Meeting for the Environmental Impact Statement for the Reconfiguration of the Weapons Complex, 9:00 a.m. to 9:30 p.m. Ramada Hotel, 8773 Yates Drive, Westminster, Colorado. Comments will be taken.
- September 8, 1993 Technical Review Group Meeting, 1:30 p.m. to 4:00 p.m., Westminster City Hall, 4800 West 92nd Avenue, Westminster, Colorado, 8003.
- September 15, 1993 RCRA Permit Modification Request 15 Public Information Meeting, 7:00 p.m. 9:00 p.m.
- September 21, 1993 Colorado Council on Rocky Flats (CCRF) Environmental Management Committee Meeting, 5:30 p.m. to 7:00 p.m., location to be announced. Agenda: Status of CCRF Public Participation, Planning and Tracking Model for Environmental Restoration and Waste Management at Rocky Flats.
- September 28, 1993 Environmental Surveillance Exchange of Information Meeting, 1:30 p.m. Broomfield City Council Chamber, No. 6 Garden Office Center, Broomfield, Colorado.
- September 28, 1993 Quarterly Environmental Restoration Information Meeting, 7:00 p.m. to 9:00 p.m., Ramada Hotel, 8773 Yates Drive Westminster, Colorado.

### IAG MILESTONES THROUGH FISCAL YEAR 1994

<u>OU#</u>	<u>Milestone Description</u>	<u>IAG Date Scheduled to EPA/CDH</u>	<u>Status</u>
2	Submit Draft Phase II RFI/RI Report	12 Mar 93	Extension denied
4	Submit Draft Phase I RFI/RI Report	21 May 93	Extended to 14 Sep 93
2	Submit Final Treatability Test Report	13 Jul 93	Extended to 8 Sep 93
3	Submit Draft Phase I RFI/RI Report	16 Jul 93	Extended to 14 Feb 94
6	Submit Draft Phase I RFI/RI Report	04 Aug 93	Extended to 10 Jun 94
2	Submit Final Phase II RFI/RI Report	09 Aug 93	Extension denied
7	Submit Draft Phase I RFI/RI Report	12 Oct 93	•
4	Submit Final Phase I RFI/RI Report	18 Oct 93	Extended to 14 Feb 94
2	Submit Draft CMS/FS Report	04 Nov 93	•
1	Submit Final Phase III RFI/RI Report	04 Jan 93	Extended to 15 Nov 93
5	Submit Draft Phase I RFI/RI Report	30 Nov 93	•
3	Submit Final Phase I RFI/RI Report	13 Dec 93	Extended to 21 Oct 94

1	Submit Draft Proposed Plan	27 Sep 93	Extension request submitted
1	Submit Final Proposed Plan	04 Jan 94	Extension request submitted
6	Submit Final Phase I RFI/RI Report	07 Jan 94	Extended to 18 Nov 94
1	Submit Draft CMS/FS Report	31 Mar 94	Extended to 11 Feb 94
8	Submit Draft Phase I RFI/RI Report	14 Feb 94	•
7	Submit Final Phase I RFI/RI Report	16 Mar 94	•
9	Submit Draft Phase I RFI/RI Report	11 Apr 94	•
4	Submit Draft Phase I Proposed IM/IRA Decision Document	14 Apr 94	•
12	Submit Draft Phase I RFI/RI Report	20 Apr 94	•
4	Submit Draft Phase II Work Plan	22 Apr 94	•
5	Submit Final Phase I RFI/RI Report	03 May 94	•
1	Submit Draft Responsiveness Summary	06 May 94	•
2	Submit Final CMS/FS Report	10 May 94	•
2	Submit Draft Proposed Plan	10 May 94	•
8	Submit Final Phase I RFI/RI Report	12 Jul 94	•
15	Submit Draft Phase I RFI/RI Report	01 Aug 94	•
1	Submit Final CMS/FS Report	03 Aug 94	•
1	Submit Final Responsiveness Summary	03 Aug 94	•
1	Submit Draft CAD/ROD	03 Aug 94	•
13	Submit Draft Phase I RFI/RI Report	08 Aug 94	•
2	Submit Final Proposed Plan	09 Aug 94	•
10	Submit Draft Phase I RFI/RI Report	25 Aug 94	•
9	Submit Final Phase I RFI/RI Report	06 Sep 94	•
4	Submit Final Phase I Proposed IM/IRA Decision Document	12 Sep 94	•
7	Submit Draft Phase II RFI/RI Work Plan	13 Sep 94	•
12	Submit Final Phase I RFI/RI Report	15 Sep 94	•
4	Submit Final Phase II RFI/RI Work Plan	19 Sep 94	•
11	Submit Draft Phase I RFI/RI Report	20 Sep 94	•

\*Behind original IAG schedule; extension required.